



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,672

DATE: 4/11/2003

TIME: 10:11:15

Input File: A:\634788\_1.txt

Output File: N:\CRF4\04112003\J017672.raw

1 &lt;100&gt; APPLICANT: Nishikawa, Kiyotaka

4 Lai, Hung-sen

5 Songyang, Zhou

6 Yaffe, Michael E.

7 Cantley, Lewis C.

9 <1200> TITLE OF INVENTION: Binding Compounds and Methods for Identifying Binding  
Compounds

11 &lt;130&gt; FILE REFERENCE: C01123/70001 (JPK)

13 &lt;140&gt; CURRENT APPLICATION NUMBER: US 10/017,672

14 &lt;141&gt; CURRENT FILING DATE: 2003-10-14

16 &lt;160&gt; PRIOR APPLICATION NUMBER: US 60/211,596

17 &lt;161&gt; PRIOR FILING DATE: 2000-10-14

19 &lt;160&gt; NUMBER OF SEQ ID NO: 15

21 &lt;170&gt; SOFTWARE: PatentIn version 3.1

## ERRORED SEQUENCES

1309 &lt;210&gt; SEQ ID NO: 19

1310 &lt;211&gt; LENGTH: 21

1311 &lt;212&gt; TYPE: PRT

1312 &lt;213&gt; ORGANISM: Artificial Sequence

1314 &lt;220&gt; FEATURE:

1315 &lt;223&gt; OTHER INFORMATION: Synthetic Peptide

1317 &lt;220&gt; FEATURE:

1318 &lt;210&gt; NAME/KEY: M101 FEATURE

1319 &lt;211&gt; LENGTH: 10

1320 &lt;212&gt; TYPE: PROTEIN; SCOP ID: P00000; SCOP CLASS: 1; SCOP SUPERCLASS: 1;

1321 &lt;213&gt; ORGANISM: Human

1322 &lt;220&gt; NAME/KEY: M101 FEATURE

1323 &lt;211&gt; LENGTH: 10

1324 &lt;212&gt; TYPE: PROTEIN; SCOP ID: P00000; SCOP CLASS: 1; SCOP SUPERCLASS: 1;

1325 &lt;213&gt; ORGANISM: Human

1326 &lt;220&gt; NAME/KEY: M101 FEATURE

1327 &lt;211&gt; LENGTH: 10

1328 &lt;212&gt; TYPE: PROTEIN; SCOP ID: P00000; SCOP CLASS: 1; SCOP SUPERCLASS: 1;

1329 &lt;213&gt; ORGANISM: Human

Does not qualify  
Correct Discrete Needs

f4

**RAW SEQUENCE LISTING**

Patent Application: US/10/017,672

### TABLE I. (Continued)

NAME:

File Path : A:\634788\_1.txt

1343 <11> FEATURE:  
1344 <11> NAME/KEY: MISC FEATURE  
1344 <11> LOCATION: (4)..(6)  
1345 <11> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
1347 <11> FEATURE:  
1348 <11> NAME/KEY: MISC FEATURE  
1349 <11> LOCATION: (4)..(6)  
1350 <113> OTHER INFORMATION: Xaa is absent or present  
1352 <120> FEATURE:  
1353 <121> NAME/KEY: MISC FEATURE  
1354 <122> LOCATION: (5)..(5)  
1355 <123> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
1357 <120> FEATURE:  
1358 <121> NAME/KEY: MISC FEATURE  
1359 <122> LOCATION: (5)..(5)  
1360 <123> OTHER INFORMATION: Xaa is absent or present  
1362 <120> FEATURE:  
1363 <121> NAME/KEY: MISC FEATURE  
1364 <122> LOCATION: (6)..(6)  
1365 <123> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
1367 <120> FEATURE:  
1368 <121> NAME/KEY: MISC FEATURE  
1369 <122> LOCATION: (6)..(6)  
1370 <123> OTHER INFORMATION: Xaa is absent or present  
1372 <120> FEATURE:  
1373 <121> NAME/KEY: MISC FEATURE  
1374 <122> LOCATION: (7)..(7)  
1375 <123> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
1377 <120> FEATURE:  
1378 <121> NAME/KEY: MISC FEATURE  
1379 <122> LOCATION: (7)..(7)  
1380 <123> OTHER INFORMATION: Xaa is absent or present  
1382 <120> FEATURE:  
1383 <121> NAME/KEY: MISC FEATURE  
1384 <122> LOCATION: (8)..(8)  
1385 <123> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
1387 <120> FEATURE:  
1388 <121> NAME/KEY: MISC FEATURE  
1389 <122> LOCATION: (8)..(8)  
1390 <123> OTHER INFORMATION: Xaa is absent or present  
1392 <120> FEATURE:  
1393 <121> NAME/KEY: MISC FEATURE  
1394 <122> LOCATION: (8)..(8)  
1395 <123> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
1397 <120> FEATURE:  
1398 <121> NAME/KEY: MISC FEATURE  
1399 <122> LOCATION: (8)..(8)  
1400 <123> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,672 P

DATE: 4/11/03

TIME: 10:11:17

INPUT FILE: A:\634788\_1.txt

OUTPUT FILE: N:\CRF4\04112003\J017672.raw

1403 >211> NAME/KEY: MISC\_FEATURE  
 1404 >212> LOCATION: (1) .. (1)  
 1405 >213> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
 1406 >214> FEATURE:  
 1407 >215> NAME/KEY: MISC\_FEATURE  
 1408 >216> LOCATION: (1) .. (1)  
 1409 >217> OTHER INFORMATION: Xaa is absent or present  
 1410 >218> FEATURE:  
 1411 >219> NAME/KEY: MISC\_FEATURE  
 1412 >220> LOCATION: (1) .. (1)  
 1413 >221> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
 1414 >222> FEATURE:  
 1415 >223> NAME/KEY: MISC\_FEATURE  
 1416 >224> LOCATION: (1) .. (1)  
 1417 >225> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
 1418 >226> FEATURE:  
 1419 >227> LOCATION: (1) .. (1)  
 1420 >228> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
 1421 >229> FEATURE:  
 1422 >230> NAME/KEY: MISC\_FEATURE  
 1423 >231> LOCATION: (1) .. (1)  
 1424 >232> OTHER INFORMATION: Xaa is absent or present  
 1425 >233> FEATURE:  
 1426 >234> NAME/KEY: MISC\_FEATURE  
 1427 >235> LOCATION: (1) .. (1)  
 1428 >236> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
 1429 >237> FEATURE:  
 1430 >238> NAME/KEY: MISC\_FEATURE  
 1431 >239> LOCATION: (1) .. (1)  
 1432 >240> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
 1433 >241> FEATURE:  
 1434 >242> LOCATION: (1) .. (1)  
 1435 >243> OTHER INFORMATION: Xaa is absent or present  
 1436 >244> FEATURE:  
 1437 >245> NAME/KEY: MISC\_FEATURE  
 1438 >246> LOCATION: (1) .. (1)  
 1439 >247> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
 1440 >248> FEATURE:  
 1441 >249> NAME/KEY: MISC\_FEATURE  
 1442 >250> LOCATION: (1) .. (1)  
 1443 >251> OTHER INFORMATION: Xaa is absent or present  
 1444 >252> FEATURE:  
 1445 >253> NAME/KEY: MISC\_FEATURE  
 1446 >254> LOCATION: (1) .. (1)  
 1447 >255> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
 1448 >256> FEATURE:  
 1449 >257> NAME/KEY: MISC\_FEATURE  
 1450 >258> LOCATION: (1) .. (1)  
 1451 >259> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
 1452 >260> FEATURE:  
 1453 >261> NAME/KEY: MISC\_FEATURE  
 1454 >262> LOCATION: (1) .. (1)  
 1455 >263> OTHER INFORMATION: Xaa is absent or present  
 1456 >264> FEATURE:  
 1457 >265> NAME/KEY: MISC\_FEATURE  
 1458 >266> LOCATION: (1) .. (1)  
 1459 >267> OTHER INFORMATION: Xaa is absent or present  
 1460 >268> FEATURE:  
 1461 >269> NAME/KEY: MISC\_FEATURE  
 1462 >270> LOCATION: (1) .. (1)  
 1463 >271> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
 1464 >272> FEATURE:

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,672

DATE: 4/11/2003

TIME: 10:11:14

Input File: A:\634788\_1.txt

Output File: N:\CRF4\04112003\J017672.raw

1464 <1> OTHER INFORMATION: Xaa is absent or present  
1465 <2> OTHER INFORMATION: Xaa is absent or present  
1466 <3> FEATURE:  
1467 <4> NAME/KEY: MISC FEATURE  
1468 <5> LOCATION: (17)..(17)  
1469 <6> OTHER INFORMATION: Xaa = any amino acid except Glu or Tyr  
1470 <7> FEATURE:  
1471 <8> NAME/KEY: MISC FEATURE  
1472 <9> LOCATION: (18)..(18)  
1473 <10> OTHER INFORMATION: Xaa is absent or present  
1474 <11> FEATURE:  
1475 <12> NAME/KEY: MISC FEATURE  
1476 <13> LOCATION: (19)..(19)  
1477 <14> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
1478 <15> FEATURE:  
1479 <16> NAME/KEY: MISC FEATURE  
1480 <17> LOCATION: (19)..(19)  
1481 <18> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
1482 <19> FEATURE:  
1483 <20> NAME/KEY: MISC FEATURE  
1484 <21> LOCATION: (19)..(19)  
1485 <22> OTHER INFORMATION: Xaa is absent or present  
1486 <23> FEATURE:  
1487 <24> NAME/KEY: MISC FEATURE  
1488 <25> LOCATION: (20)..(20)  
1489 <26> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
1490 <27> FEATURE:  
1491 <28> NAME/KEY: MISC FEATURE  
1492 <29> LOCATION: (20)..(20)  
1493 <30> OTHER INFORMATION: Xaa is absent or present  
1494 <31> FEATURE:  
1495 <32> NAME/KEY: MISC FEATURE  
1496 <33> LOCATION: (21)..(21)  
1497 <34> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
1498 <35> FEATURE:  
1499 <36> NAME/KEY: MISC FEATURE  
1500 <37> LOCATION: (21)..(21)  
1501 <38> OTHER INFORMATION: Xaa = any amino acid except Ser or Cys  
1502 <39> FEATURE:  
1503 <40> NAME/KEY: MISC FEATURE  
1504 <41> LOCATION: (21)..(21)  
1505 <42> OTHER INFORMATION: Xaa is absent or present  
E--> 1508 <400> SEQUENCE: (18) M  
W--> 1510 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Xaa Xaa Xaa Xaa Xaa  
Xaa  
W--> 1513 Xaa Xaa Xaa Xaa

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/017,672

DATE: APR 12 1964  
TIME: 10:15 A.M.

Import Date : A:\634788\_1.txt  
Import File : N:\CRF4\04112003\J017672.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Chap. 2: 1-2, 10-11, 13-14, 16-17, 19-20, 22-23, 25-26, 28-29, 31-32, 34-35, 37-38, 40-41, 43-44, 46-47, 49-50, 52-53, 55-56, 58-59, 61-62, 64-65, 67-68, 70-71, 73-74, 76-77, 79-80, 82-83, 85-86, 88-89, 91-92, 94-95, 97-98, 100-101, 103-104, 106-107, 109-110, 112-113, 115-116, 118-119, 121-122, 124-125, 127-128, 130-131, 133-134, 136-137, 139-140, 142-143, 145-146, 148-149, 151-152, 154-155, 157-158, 160-161, 163-164, 166-167, 169-170, 172-173, 175-176, 178-179, 181-182, 184-185, 187-188, 190-191, 193-194, 196-197, 199-200, 202-203, 205-206, 208-209, 211-212, 214-215, 217-218, 220-221, 223-224, 226-227, 229-230, 232-233, 235-236, 238-239, 241-242, 244-245, 247-248, 250-251, 253-254, 256-257, 259-260, 262-263, 265-266, 268-269, 271-272, 274-275, 277-278, 280-281, 283-284, 286-287, 289-290, 292-293, 295-296, 298-299, 301-302, 304-305, 307-308, 310-311, 313-314, 316-317, 319-320, 322-323, 325-326, 328-329, 331-332, 334-335, 337-338, 340-341, 343-344, 346-347, 349-350, 352-353, 355-356, 358-359, 361-362, 364-365, 367-368, 370-371, 373-374, 376-377, 379-380, 382-383, 385-386, 388-389, 391-392, 394-395, 397-398, 399-400, 402-403, 405-406, 408-409, 411-412, 414-415, 417-418, 420-421, 423-424, 426-427, 429-430, 432-433, 435-436, 438-439, 441-442, 444-445, 447-448, 450-451, 453-454, 456-457, 459-460, 462-463, 465-466, 468-469, 471-472, 474-475, 477-478, 480-481, 483-484, 486-487, 489-490, 492-493, 495-496, 498-499, 501-502, 504-505, 507-508, 510-511, 513-514, 516-517, 519-520, 522-523, 525-526, 528-529, 531-532, 534-535, 537-538, 540-541, 543-544, 546-547, 549-550, 552-553, 555-556, 558-559, 561-562, 564-565, 567-568, 570-571, 573-574, 576-577, 579-580, 582-583, 585-586, 588-589, 591-592, 594-595, 597-598, 599-600, 602-603, 605-606, 608-609, 610-611, 613-614, 616-617, 619-620, 622-623, 625-626, 628-629, 630-631, 633-634, 636-637, 639-640, 642-643, 645-646, 648-649, 651-652, 654-655, 657-658, 660-661, 663-664, 666-667, 669-670, 672-673, 675-676, 678-679, 681-682, 684-685, 687-688, 690-691, 693-694, 696-697, 699-700, 702-703, 705-706, 708-709, 711-712, 714-715, 717-718, 720-721, 723-724, 726-727, 729-730, 732-733, 735-736, 738-739, 741-742, 744-745, 747-748, 750-751, 753-754, 756-757, 759-760, 762-763, 765-766, 768-769, 770-771, 773-774, 776-777, 779-780, 782-783, 785-786, 788-789, 791-792, 794-795, 797-798, 799-800, 802-803, 805-806, 808-809, 810-811, 813-814, 816-817, 819-820, 822-823, 825-826, 828-829, 830-831, 833-834, 836-837, 839-840, 842-843, 845-846, 848-849, 850-851, 853-854, 856-857, 859-860, 862-863, 865-866, 868-869, 871-872, 874-875, 877-878, 880-881, 883-884, 886-887, 889-890, 892-893, 895-896, 898-899, 900-901, 903-904, 906-907, 909-910, 912-913, 915-916, 917-918, 920-921, 923-924, 926-927, 928-929, 930-931, 933-934, 936-937, 939-940, 942-943, 945-946, 948-949, 950-951, 953-954, 956-957, 959-960, 962-963, 965-966, 968-969, 970-971, 973-974, 976-977, 979-978, 980-981, 983-984, 986-987, 989-988, 990-991, 993-994, 996-997, 998-999, 999-1000.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/017,672P

DATE: 4-11-2011

TIME: 08:18:00

Input File: A:\634788\_1.txt  
Output File: N:\CRF4\04112003\J017672.raw

L:43 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:45 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:1  
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:17  
L:1070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:1071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:17  
L:1077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
L:1307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:1308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:17  
L:1508 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NO:19 differs in  
L:1510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:1515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:17  
L:1718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
L:1721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:17  
L:1926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:1929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:17  
L:2134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:2137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:17  
L:2342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
L:2345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:17